



wwPDB X-ray Structure Validation Summary Report ⓘ

Mar 5, 2026 – 12:08 AM UTC

PDB ID : 5LID / pdb_00005lid
Title : X-ray structure of a pentameric ligand gated ion channel from *Erwinia chrysanthemi* (ELIC) in complex with bromopromazine
Authors : Nys, M.; Wijckmans, E.; Farinha, A.; Brams, M.; Spurny, R.; Ulens, C.
Deposited on : 2016-07-14
Resolution : 4.50 Å(reported)

This is a wwPDB X-ray Structure Validation Summary Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity	:	4-5-2 with Phenix2.0
Xtriage (Phenix)	:	2.0
EDS	:	3.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4	:	9.0.010 (Gargrove)
Density-Fitness	:	1.0.12
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

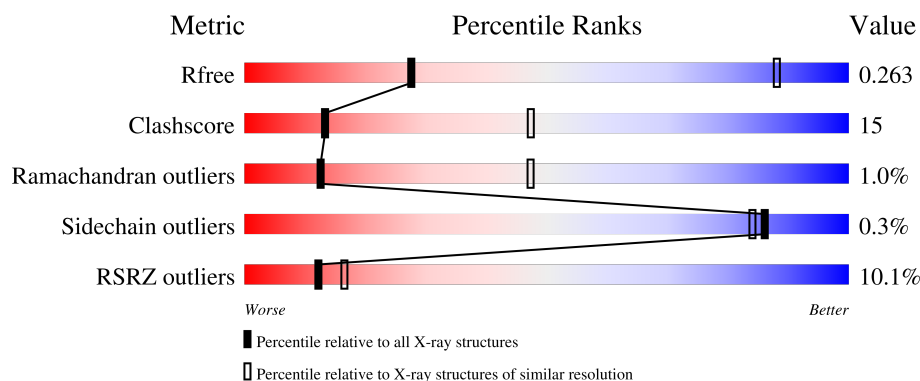
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 4.50 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	1127 (5.10-3.90)
Clashscore	190562	1002 (5.06-3.94)
Ramachandran outliers	187476	1060 (5.10-3.90)
Sidechain outliers	187428	1043 (5.10-3.90)
RSRZ outliers	180081	1122 (5.10-3.90)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	307	7% 74% 25% .
1	B	307	16% 66% 33% .
1	C	307	8% 66% 33% .
1	D	307	12% 68% 31% .
1	E	307	10% 64% 34% .

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Mol	Chain	Length	Quality of chain
1	F	307	
1	G	307	
1	H	307	
1	I	307	
1	J	307	

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
2	6XY	B	402	-	-	-	X
2	6XY	D	401	-	-	-	X
2	6XY	H	402	-	-	-	X
2	6XY	J	401	-	-	-	X

2 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 25070 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Cys-loop ligand-gated ion channel.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	B	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	C	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	D	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	E	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	F	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	G	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	H	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	I	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			
1	J	307	Total	C	N	O	S	0	0	0
			2505	1633	416	450	6			

There are 20 discrepancies between the modelled and reference sequences:

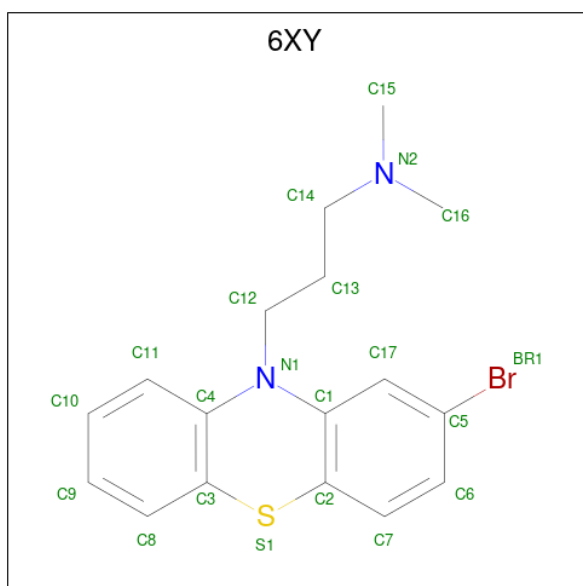
Chain	Residue	Modelled	Actual	Comment	Reference
A	164	GLY	-	insertion	UNP P0C7B7
A	289	ASN	MET	conflict	UNP P0C7B7
B	164	GLY	-	insertion	UNP P0C7B7
B	289	ASN	MET	conflict	UNP P0C7B7
C	164	GLY	-	insertion	UNP P0C7B7
C	289	ASN	MET	conflict	UNP P0C7B7
D	164	GLY	-	insertion	UNP P0C7B7
D	289	ASN	MET	conflict	UNP P0C7B7
E	164	GLY	-	insertion	UNP P0C7B7

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Chain	Residue	Modelled	Actual	Comment	Reference
E	289	ASN	MET	conflict	UNP P0C7B7
F	164	GLY	-	insertion	UNP P0C7B7
F	289	ASN	MET	conflict	UNP P0C7B7
G	164	GLY	-	insertion	UNP P0C7B7
G	289	ASN	MET	conflict	UNP P0C7B7
H	164	GLY	-	insertion	UNP P0C7B7
H	289	ASN	MET	conflict	UNP P0C7B7
I	164	GLY	-	insertion	UNP P0C7B7
I	289	ASN	MET	conflict	UNP P0C7B7
J	164	GLY	-	insertion	UNP P0C7B7
J	289	ASN	MET	conflict	UNP P0C7B7

- Molecule 2 is bromopromazine (CCD ID: 6XY) (formula: $C_{17}H_{19}BrN_2S$).



Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
2	A	1	Total Br 1 1	0	0
2	A	1	Total Br 1 1	0	0
2	B	1	Total Br 1 1	0	0
2	B	1	Total Br 1 1	0	0
2	C	1	Total Br 1 1	0	0
2	C	1	Total Br 1 1	0	0

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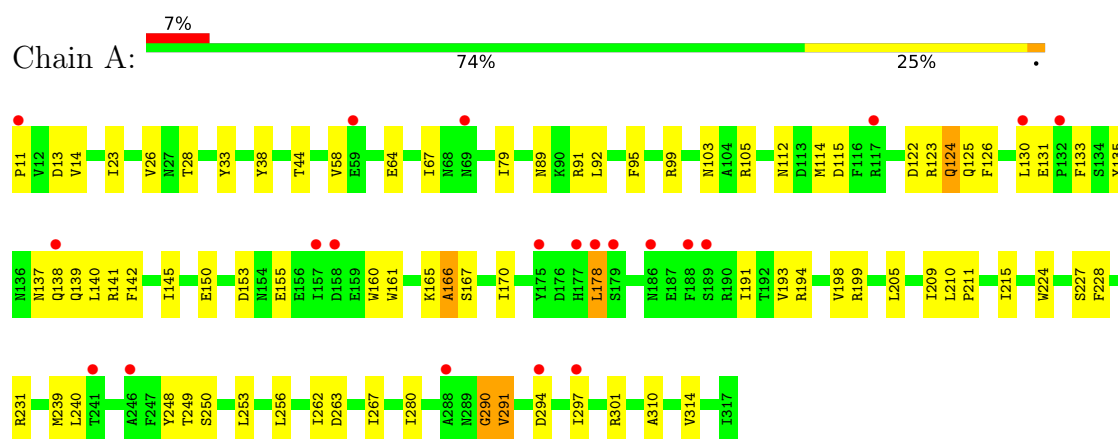
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Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
2	D	1	Total 1	Br 1	0	0
2	D	1	Total 1	Br 1	0	0
2	E	1	Total 1	Br 1	0	0
2	E	1	Total 1	Br 1	0	0
2	F	1	Total 1	Br 1	0	0
2	F	1	Total 1	Br 1	0	0
2	G	1	Total 1	Br 1	0	0
2	G	1	Total 1	Br 1	0	0
2	H	1	Total 1	Br 1	0	0
2	H	1	Total 1	Br 1	0	0
2	I	1	Total 1	Br 1	0	0
2	I	1	Total 1	Br 1	0	0
2	J	1	Total 1	Br 1	0	0
2	J	1	Total 1	Br 1	0	0

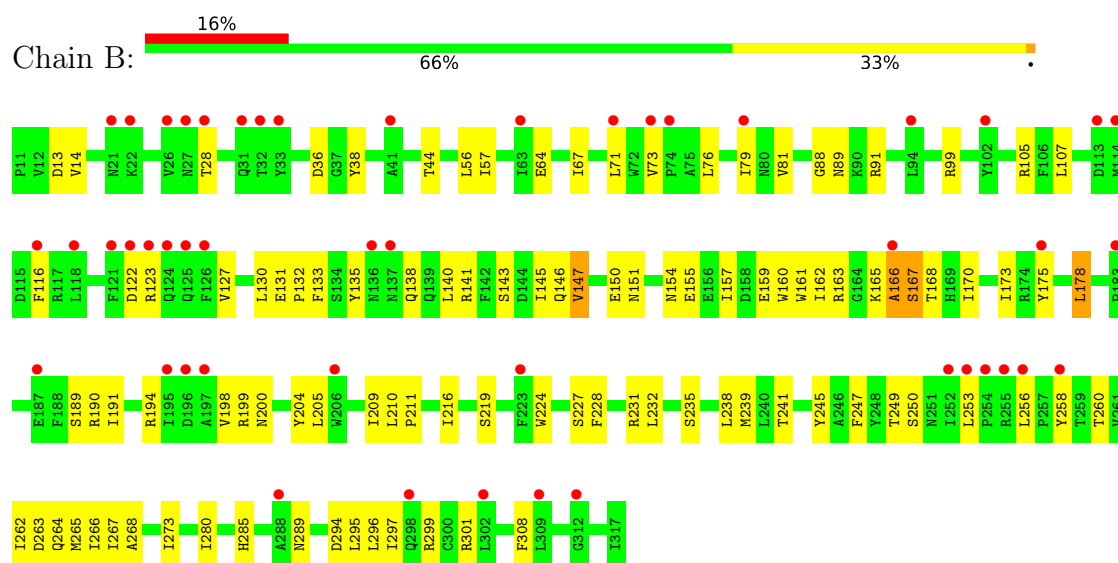
3 Residue-property plots [i](#)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

• Molecule 1: Cys-loop ligand-gated ion channel

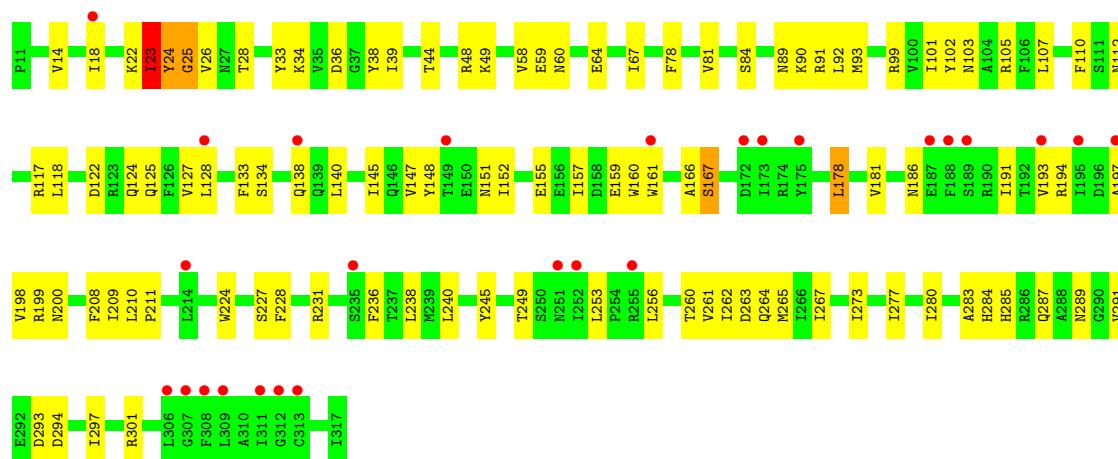


• Molecule 1: Cys-loop ligand-gated ion channel

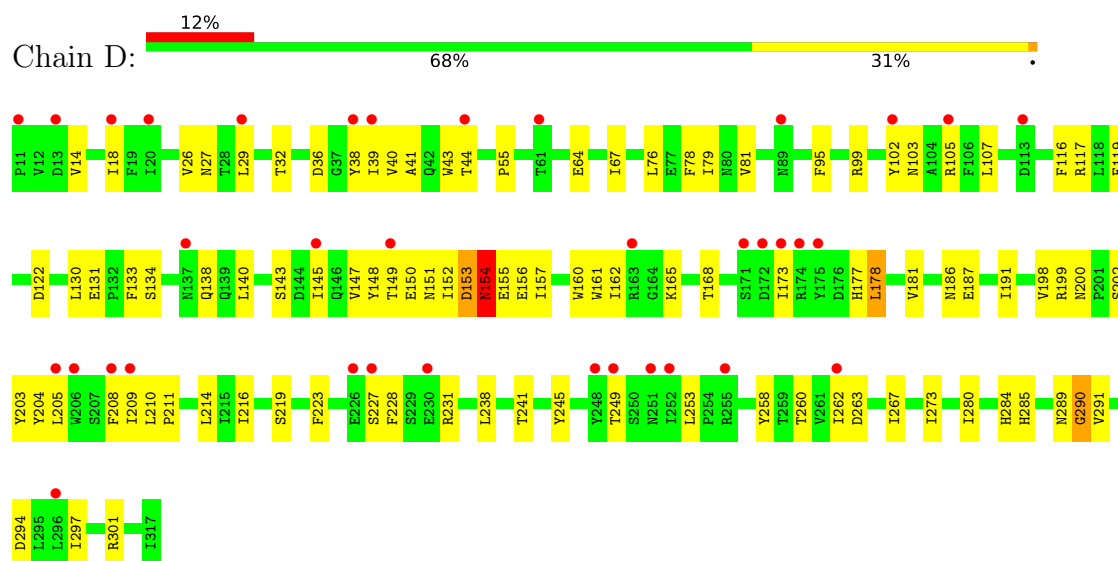


• Molecule 1: Cys-loop ligand-gated ion channel

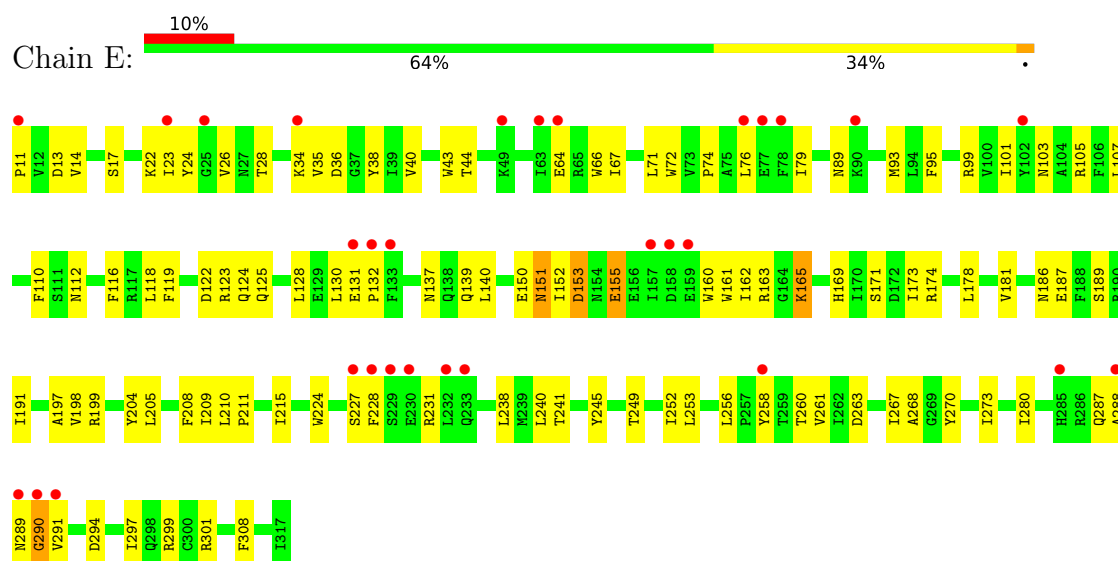




• Molecule 1: Cys-loop ligand-gated ion channel



• Molecule 1: Cys-loop ligand-gated ion channel



Chain F:

Chain G:

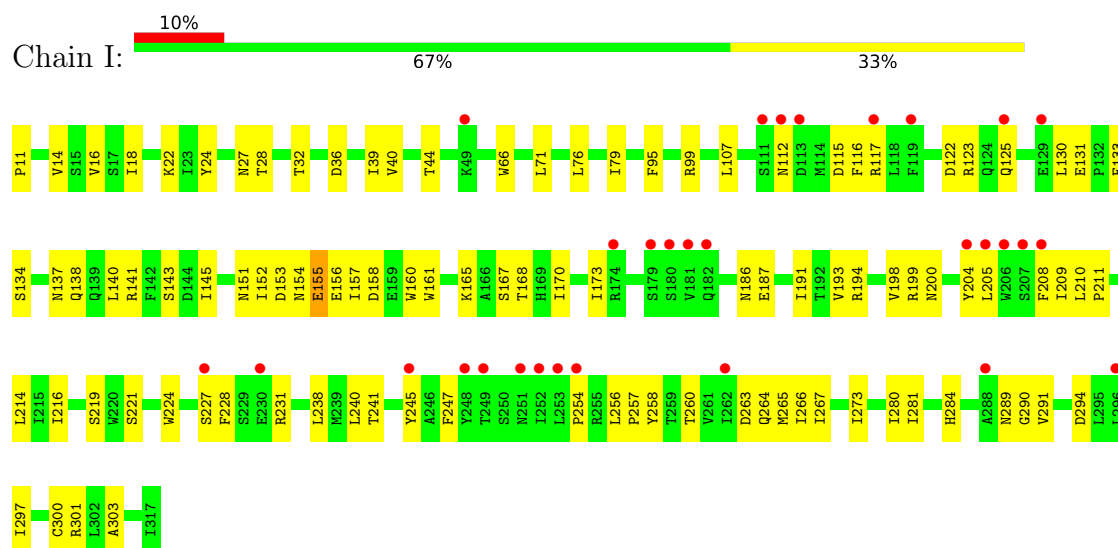
15% 66% 34%

Chain G is a sequence of 48 nodes, each represented by a colored square (red, green, or yellow) with a label. The nodes are arranged in a grid-like pattern. Red nodes are: P11, K22, N27, T28, L29, T32, D36, G37, Y38, I39, V40, A41, T44, P51, G52, D53, K54, P55, T63, E64, R65, W66, L67, L71, W72, V73, P74, A75, L76, R90, R91, L92, N93, L94, F95, R99, V100, I101, V102, A104, R105, F106, L107, F146, R117, D122, F126, V127, L128, E131, P132, F133, S134, T135, N136, Q137, R138, G139, L140, R141, F142, S143, T149, E150, N151, I152, D153, R154, M155, E156, I157, D158, E159, W160, V161, I162, R163, T167, S167, T168, R255, L256, P257, T258, T259, V261, L262, D263, Q264, M265, L266, I267, A268, S189, R190, I191, T192, V193, R194, V198, R199, Y204, L205, W206, S207, F208, L209, L210, P211, T212, L213, G213, A217, W220, S227, F228, R231, L232, Q233, L238, M239, L240, T241, V242, V243, F247, R251, L252, L253, P254, R255, L256, P257, T258, T259, V261, L262, D263, Q264, M265, L266, I267, A268, G271, S272, L273, L280, H284, M289, G290, V291, E292, C300, R301, L302, A303, F304, P305, L306, G307, F308, I317.

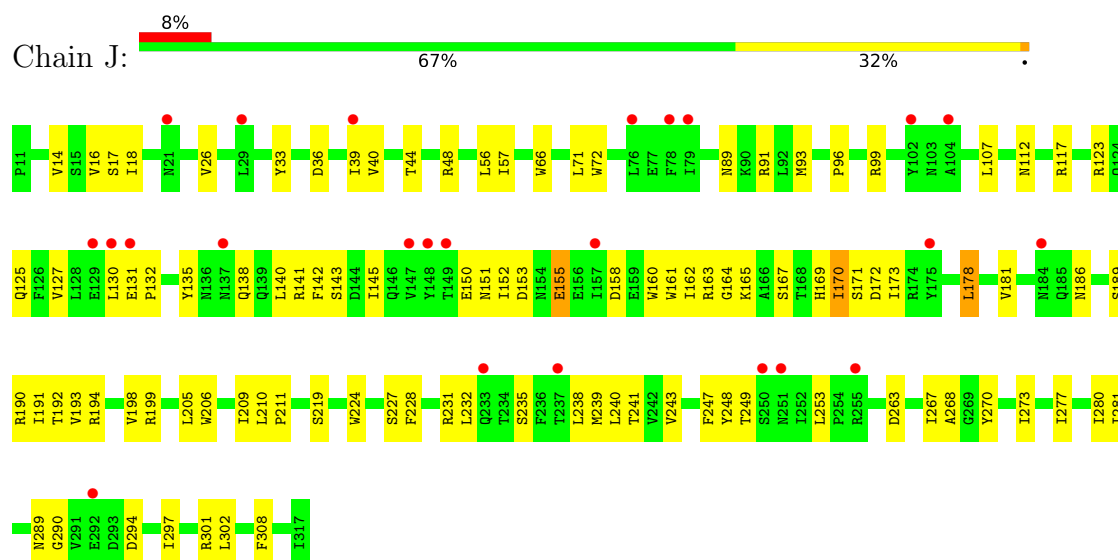
Chain H:

9% 65% 34%

• Molecule 1: Cys-loop ligand-gated ion channel



• Molecule 1: Cys-loop ligand-gated ion channel



4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	105.72Å 267.91Å 111.33Å 90.00° 106.70° 90.00°	Depositor
Resolution (Å)	49.54 – 4.50 49.54 – 4.50	Depositor EDS
% Data completeness (in resolution range)	99.8 (49.54-4.50) 99.8 (49.54-4.50)	Depositor EDS
R_{merge}	0.15	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.02 (at 3.67Å)	Xtriage
Refinement program	PHENIX 1.9_1692	Depositor
R, R_{free}	0.212 , 0.257 0.215 , 0.263	Depositor DCC
R_{free} test set	3118 reflections (4.93%)	wwPDB-VP
Wilson B-factor (Å ²)	161.1	Xtriage
Anisotropy	0.254	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.21 , 116.8	EDS
L-test for twinning ²	$\langle L \rangle = 0.43$, $\langle L^2 \rangle = 0.25$	Xtriage
Estimated twinning fraction	No twinning to report.	Xtriage
F_o, F_c correlation	0.86	EDS
Total number of atoms	25070	wwPDB-VP
Average B, all atoms (Å ²)	214.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.68% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: 6XY

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	A	0.22	0/2573	0.51	0/3507
1	B	0.20	0/2573	0.54	0/3507
1	C	0.22	0/2573	0.56	1/3507 (0.0%)
1	D	0.25	0/2573	0.59	1/3507 (0.0%)
1	E	0.25	0/2573	0.59	2/3507 (0.1%)
1	F	0.20	0/2573	0.50	0/3507
1	G	0.20	0/2573	0.50	0/3507
1	H	0.22	0/2573	0.50	1/3507 (0.0%)
1	I	0.24	0/2573	0.52	0/3507
1	J	0.21	0/2573	0.54	0/3507
All	All	0.22	0/25730	0.54	5/35070 (0.0%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
1	A	0	1
1	I	0	1
1	J	0	2
All	All	0	4

There are no bond length outliers.

All (5) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	D	154	ASN	N-CA-C	-6.69	96.55	110.80
1	H	166	ALA	N-CA-C	5.28	122.05	110.80
1	C	23	ILE	N-CA-C	-5.05	98.84	109.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	E	151	ASN	CA-C-N	5.01	130.71	121.70
1	E	151	ASN	C-N-CA	5.01	130.71	121.70

There are no chirality outliers.

All (4) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	A	290	GLY	Peptide
1	I	155	GLU	Peptide
1	J	155	GLU	Peptide
1	J	164	GLY	Peptide

5.2 Too-close contacts

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	2505	0	2478	59	0
1	B	2505	0	2478	78	0
1	C	2505	0	2478	92	0
1	D	2505	0	2478	84	0
1	E	2505	0	2478	89	0
1	F	2505	0	2478	66	0
1	G	2505	0	2478	77	0
1	H	2505	0	2478	82	0
1	I	2505	0	2478	84	0
1	J	2505	0	2478	84	0
2	A	2	0	0	3	0
2	B	2	0	0	0	0
2	C	2	0	0	4	0
2	D	2	0	0	2	0
2	E	2	0	0	6	0
2	F	2	0	0	5	0
2	G	2	0	0	2	0
2	H	2	0	0	3	0
2	I	2	0	0	2	0
2	J	2	0	0	6	0
All	All	25070	0	24780	736	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 15.

The worst 5 of 736 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:J:160:TRP:CZ3	2:J:402:6XY:BR1	2.36	1.33
1:E:160:TRP:CD1	2:E:402:6XY:BR1	2.50	1.19
1:E:160:TRP:NE1	2:E:402:6XY:BR1	2.33	1.16
1:F:160:TRP:NE1	2:F:402:6XY:BR1	2.40	1.08
1:C:24:TYR:HA	2:C:402:6XY:BR1	2.14	1.03

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	305/307 (99%)	268 (88%)	33 (11%)	4 (1%)	9	41
1	B	305/307 (99%)	269 (88%)	32 (10%)	4 (1%)	9	41
1	C	305/307 (99%)	268 (88%)	32 (10%)	5 (2%)	7	37
1	D	305/307 (99%)	268 (88%)	34 (11%)	3 (1%)	12	47
1	E	305/307 (99%)	267 (88%)	34 (11%)	4 (1%)	9	41
1	F	305/307 (99%)	270 (88%)	33 (11%)	2 (1%)	18	55
1	G	305/307 (99%)	270 (88%)	34 (11%)	1 (0%)	36	71
1	H	305/307 (99%)	266 (87%)	36 (12%)	3 (1%)	12	47
1	I	305/307 (99%)	269 (88%)	33 (11%)	3 (1%)	12	47
1	J	305/307 (99%)	275 (90%)	28 (9%)	2 (1%)	18	55
All	All	3050/3070 (99%)	2690 (88%)	329 (11%)	31 (1%)	12	47

5 of 31 Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	A	124	GLN
1	A	166	ALA
1	A	291	VAL
1	B	166	ALA
1	C	24	TYR

5.3.2 Protein sidechains ⓘ

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	275/275 (100%)	274 (100%)	1 (0%)	84	82
1	B	275/275 (100%)	274 (100%)	1 (0%)	84	82
1	C	275/275 (100%)	274 (100%)	1 (0%)	84	82
1	D	275/275 (100%)	274 (100%)	1 (0%)	84	82
1	E	275/275 (100%)	275 (100%)	0	100	100
1	F	275/275 (100%)	274 (100%)	1 (0%)	84	82
1	G	275/275 (100%)	275 (100%)	0	100	100
1	H	275/275 (100%)	274 (100%)	1 (0%)	84	82
1	I	275/275 (100%)	275 (100%)	0	100	100
1	J	275/275 (100%)	274 (100%)	1 (0%)	84	82
All	All	2750/2750 (100%)	2743 (100%)	7 (0%)	86	84

5 of 7 residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	D	178	LEU
1	F	178	LEU
1	J	178	LEU
1	H	178	LEU
1	C	178	LEU

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 26 such sidechains are listed below:

Mol	Chain	Res	Type
1	F	177	HIS
1	G	124	GLN
1	J	151	ASN
1	G	103	ASN
1	G	138	GLN

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 20 ligands modelled in this entry, 20 are modelled with single atom - leaving 0 for Mogul analysis.

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

In the following table, the column labelled ‘#RSRZ > 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q < 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ > 2	OWAB(Å ²)	Q < 0.9
1	A	307/307 (100%)	0.37	21 (6%) 23 25	140, 202, 313, 418	0
1	B	307/307 (100%)	0.85	48 (15%) 5 10	126, 193, 323, 428	0
1	C	307/307 (100%)	0.44	26 (8%) 16 20	132, 191, 340, 497	0
1	D	307/307 (100%)	0.59	36 (11%) 9 13	126, 185, 315, 451	0
1	E	307/307 (100%)	0.53	30 (9%) 13 17	125, 196, 316, 412	0
1	F	307/307 (100%)	0.44	20 (6%) 25 26	154, 215, 342, 427	0
1	G	307/307 (100%)	0.76	45 (14%) 6 10	135, 198, 313, 424	0
1	H	307/307 (100%)	0.54	29 (9%) 14 18	129, 206, 361, 413	0
1	I	307/307 (100%)	0.56	30 (9%) 13 17	118, 197, 330, 459	0
1	J	307/307 (100%)	0.42	24 (7%) 19 22	144, 212, 337, 400	0
All	All	3070/3070 (100%)	0.55	309 (10%) 12 16	118, 200, 329, 497	0

The worst 5 of 309 RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	E	290	GLY	16.8
1	E	291	VAL	15.6
1	G	255	ARG	13.4
1	D	226	GLU	9.7
1	F	89	ASN	8.5

6.2 Non-standard residues in protein, DNA, RNA chains ⓘ

There are no non-standard protein/DNA/RNA residues in this entry.

6.3 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.4 Ligands ⓘ

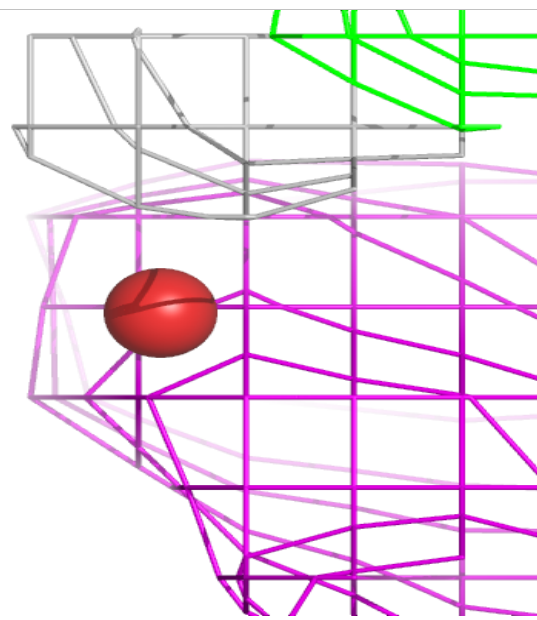
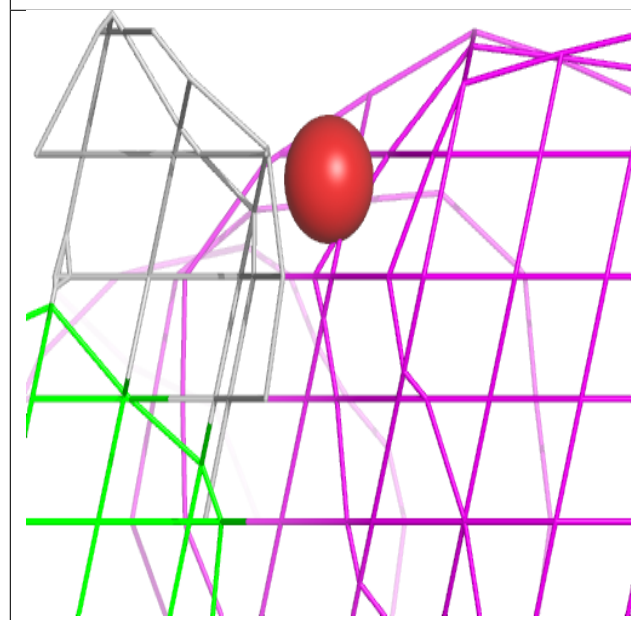
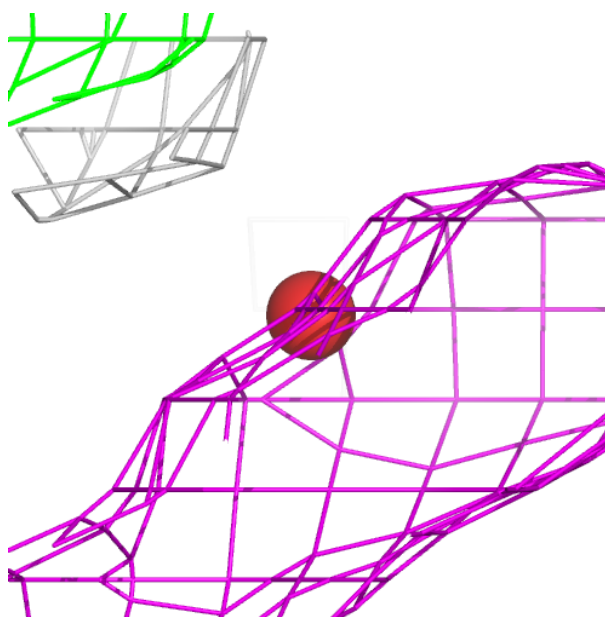
In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
2	6XY	A	402	1/21	0.13	0.25	244,244,244,244	0
2	6XY	B	401	1/21	0.19	0.28	241,241,241,241	0
2	6XY	I	402	1/21	0.21	0.34	235,235,235,235	0
2	6XY	C	402	1/21	0.22	0.22	308,308,308,308	0
2	6XY	C	401	1/21	0.29	0.27	242,242,242,242	0
2	6XY	D	402	1/21	0.37	0.23	276,276,276,276	0
2	6XY	I	401	1/21	0.38	0.25	212,212,212,212	0
2	6XY	G	401	1/21	0.38	0.31	233,233,233,233	0
2	6XY	D	401	1/21	0.40	0.51	238,238,238,238	0
2	6XY	H	402	1/21	0.42	0.40	213,213,213,213	0
2	6XY	J	401	1/21	0.43	0.60	223,223,223,223	0
2	6XY	F	401	1/21	0.44	0.24	250,250,250,250	0
2	6XY	H	401	1/21	0.45	0.29	249,249,249,249	0
2	6XY	J	402	1/21	0.58	0.20	329,329,329,329	0
2	6XY	A	401	1/21	0.60	0.15	439,439,439,439	0
2	6XY	B	402	1/21	0.66	0.52	697,697,697,697	0
2	6XY	E	402	1/21	0.66	0.15	338,338,338,338	0
2	6XY	F	402	1/21	0.72	0.11	318,318,318,318	0
2	6XY	G	402	1/21	0.86	0.31	431,431,431,431	0
2	6XY	E	401	1/21	0.89	0.27	438,438,438,438	0

The following is a graphical depiction of the model fit to experimental electron density of all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the geometry validation Tables will also be included. Each fit is shown from different orientation to approximate a three-dimensional view.

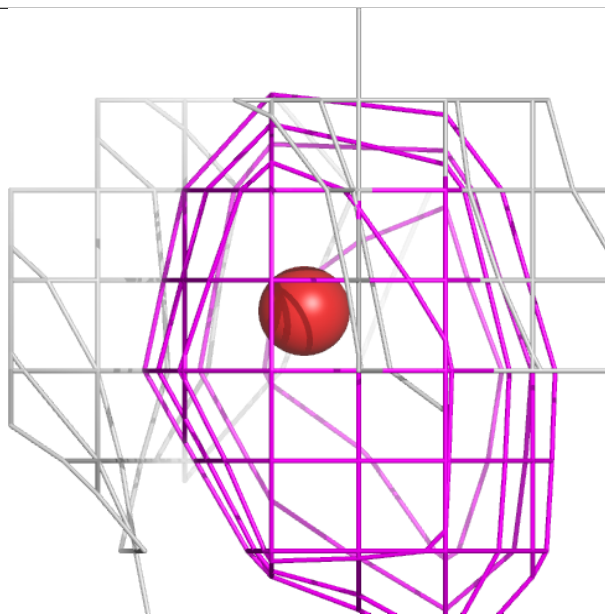
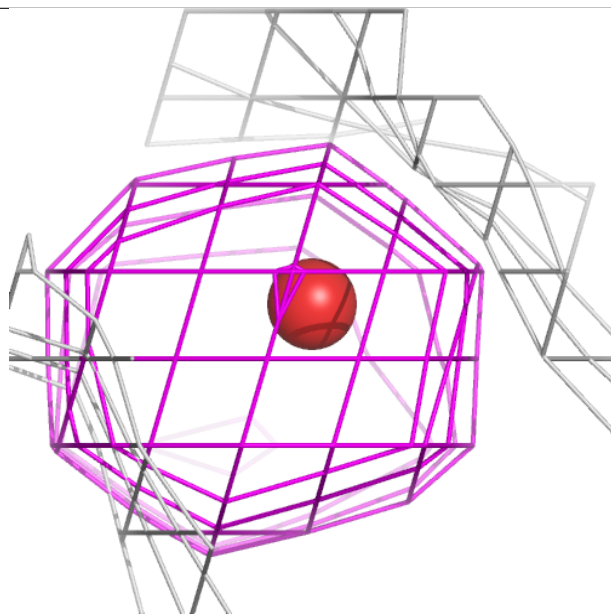
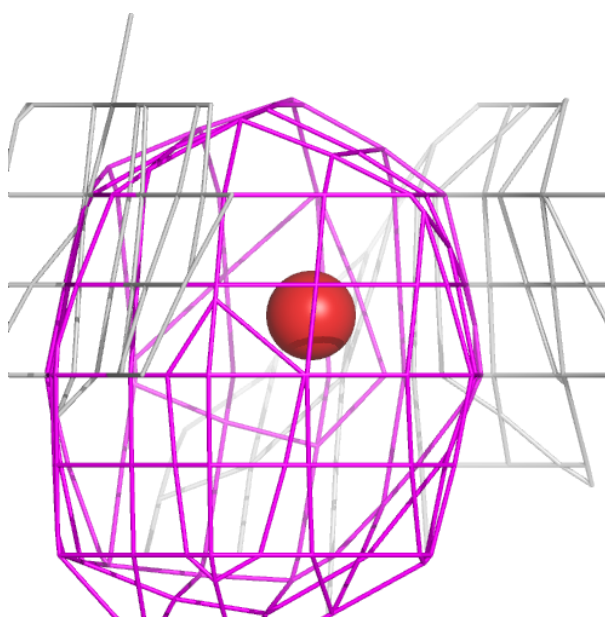
Electron density around 6XY D 401:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



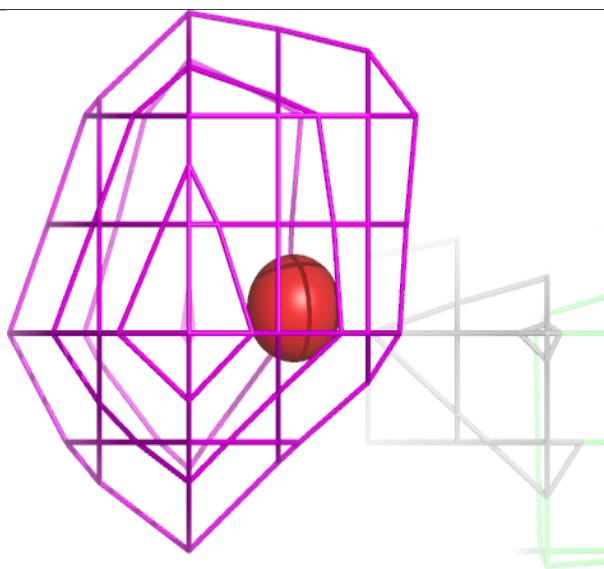
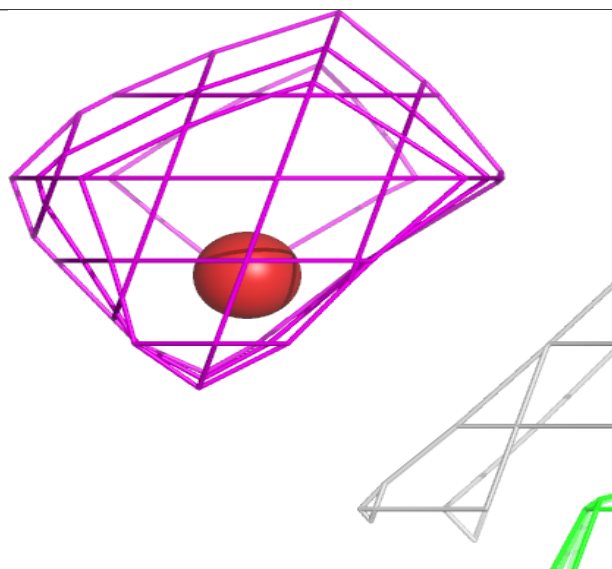
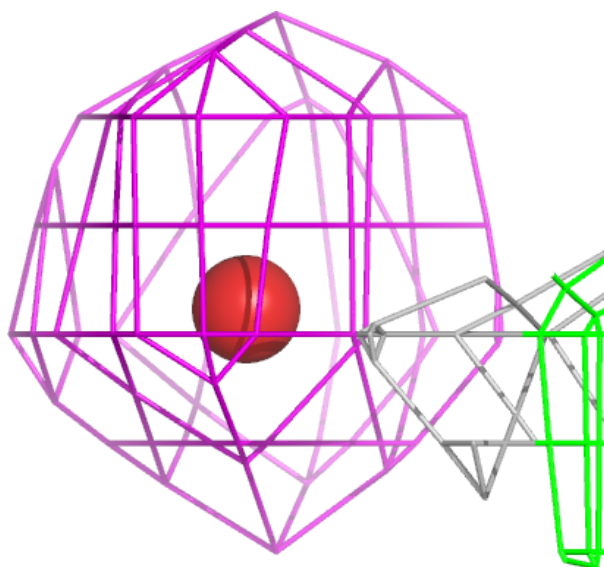
Electron density around 6XY H 402:

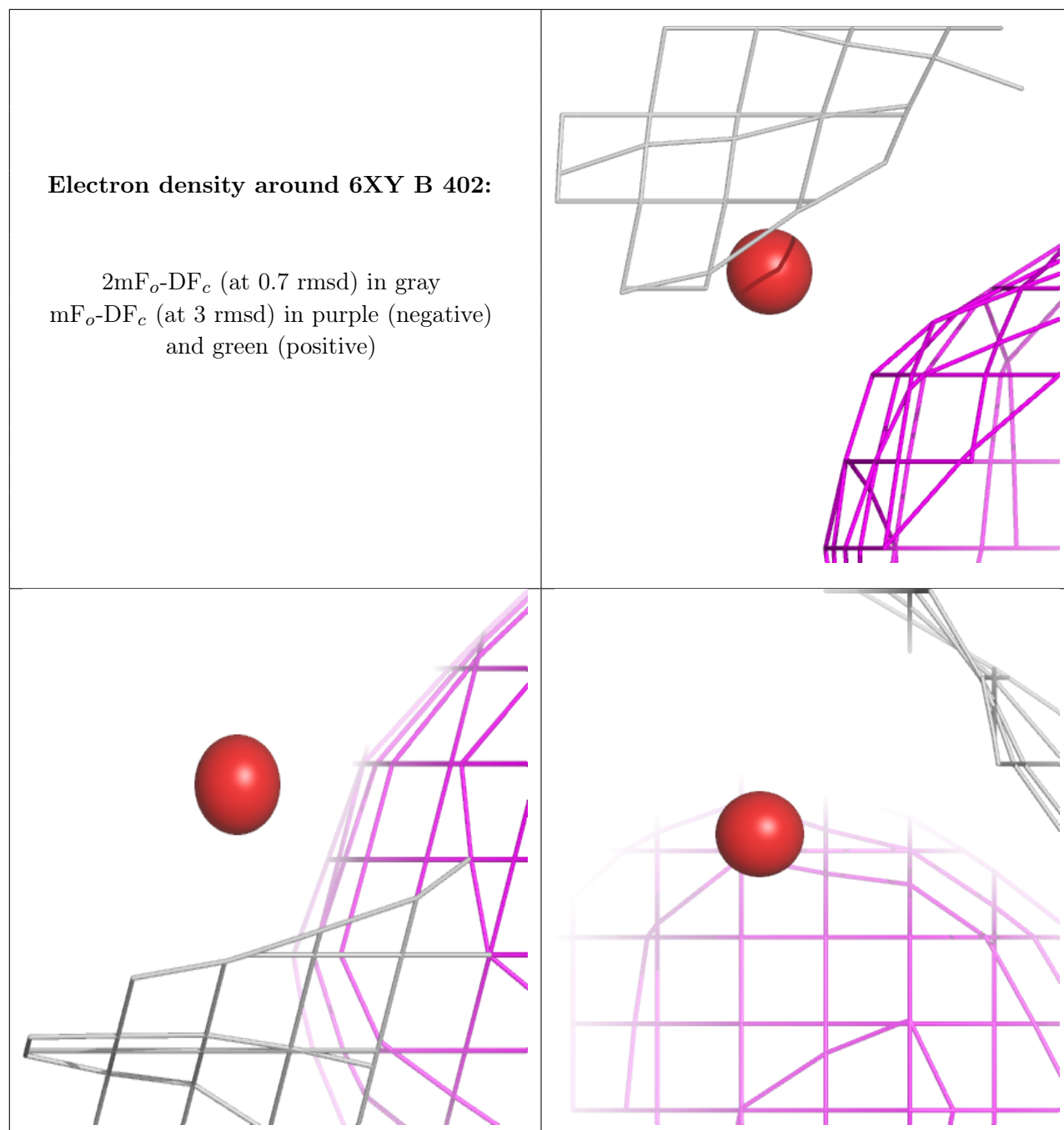
$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)



Electron density around 6XY J 401:

$2mF_o-DF_c$ (at 0.7 rmsd) in gray
 mF_o-DF_c (at 3 rmsd) in purple (negative)
and green (positive)





6.5 Other polymers ⓘ

There are no such residues in this entry.